

09/484,829

(FILE 'HOME' ENTERED AT 16:45:23 ON 10 JUL 2002)

FILE 'CAPLUS, EMBASE, BIOSIS, MEDLINE, WPIDS' ENTERED AT 16:45:37 ON 10 JUL 2002

L1 18786 S (PHAGE? OR BACTERIOPHAG? OR LAMBDA) (2A) (LIBRAR?)
L2 405 S L1 (10A) (SC OR SINGLE) (3A) (AB? OR ANTIBOD?)
L3 112 S L2 AND (TUMOR? OR TUMOUR?)

FILE 'USPATFULL' ENTERED AT 16:49:43 ON 10 JUL 2002

L4 61 S L2
L5 38 S L4 AND (TUMOR? OR TUMOUR?)

FILE 'WPIDS' ENTERED AT 16:54:15 ON 10 JUL 2002

L6 2 S 9201047
L7 0 S L6 AND (TUMOR? OR TUMOUR?)

FILE 'CAPLUS, EMBASE, BIOSIS, MEDLINE, WPIDS' ENTERED AT 16:55:16 ON 10 JUL 2002

L8 30 S L1 (10A) (SC OR SINGLE) (3A) (AB? OR ANTIBOD?) (10A) (TUMOUR? OR T
L9 16 DUP REM L8 (14 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 17:02:24 ON 10 JUL 2002

09/484,879

WEST Search History

DATE: Wednesday, July 10, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L20	L19 near20 (tumor\$ or tumour\$)	28	L20
L19	scfv	505	L19
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L18	l17 not l5	1	L18
L17	abtide\$	6	L17
L16	L15 and l14	16	L16
L15	(librar\$).clm. or (librar\$).ti.	10408	L15
L14	L13 and pan\$	193	L14
L13	L12 and librar\$	3810	L13
L12	L11 and (phage\$ or bacteriophage\$ or lambda)	4082	L12
L11	L10 near2 l9	5410	L11
L10	(ab or abs or antibody or antibodies)	356229	L10
L9	L8 or sc	98357	L9
L8	(single)near2(chain\$)	16970	L8
L7	(antigen\$)near2(binding)near2(peptide\$).clm.	40	L7
L6	(abtide\$).clm.	0	L6
L5	L4 and abtid\$	5	L5
L4	L3and l2	194	L4
L3	alvarez	4854	L3
L2	cytogen	192	L2
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L1	cytogen	111	L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

L20: Entry 23 of 28

File: USPT

Feb 16, 1999

US-PAT-NO: 5872215

DOCUMENT-IDENTIFIER: US 5872215 A

TITLE: Specific binding members, materials and methods

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
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Cambridge Antibody Technology Ltd.	Cambridgeshire				GB2		03

APPL-NO: 8/ 652816 [PALM]

DATE FILED: May 23, 1996

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION This application is a continuation-in-part of U.S. patent application Ser. No. 08/244,597, still pending, filed on Jun. 1, 1994, which is the U.S. National Phase of PCT/GB92/02240.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	9125582	December 2, 1991
GB	9125579	December 4, 1991
GB	9206318	March 24, 1992
GB	9206372	September 23, 1992
GB	9525004	December 7, 1995
GB	9610824	May 23, 1996

INT-CL: [6] C12 P 21/08, C07 K 16/32, G01 N 33/574

US-CL-ISSUED: 530/387.3; 530/387.5, 530/387.7, 530/388.15, 530/388.85, 530/389.7, 530/391.3, 435/7.23

US-CL-CURRENT: 530/387.3; 435/7.23, 530/387.5, 530/387.7,
530/388.15, 530/388.85, 530/389.7, 530/391.3

FIELD-OF-SEARCH: 530/387.3, 530/387.5, 530/387.7, 530/388.15,
530/388.85, 530/389.7, 530/391.3, 435/7.23

PRIOR-ART-DISCLOSED:

FOREIGN PATENT DOCUMENTS

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WO 90/14424	November 1990	WOX	
WO 90/14430	November 1990	WOX	
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WO 91/01990	February 1991	WOX	
WO 92/01047	January 1992	WOX	
WO 92/20791	November 1992	WOX	
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ART-UNIT: 164

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ASSISTANT-EXAMINER: VanderVegt; F. Pierre

ATTY-AGENT-FIRM: Marshall, O'Toole, Gerstein, Murray & Borun

ABSTRACT:

Specific binding members for human carcinoembryonic antigen (CEA) comprise a human antibody antigen binding domain. The specific binding members may have a dissociation constant less than 1.0×10^{-8} M and may be substantially non-crossreactive with human liver and/or other normal tissues. They may be specific for the A3-B3 extracellular domain of CEA. They may be specific for a carbohydrate epitope of CEA. They may be produced by recombinant expression from encoding nucleic acid and modified and manipulated in various manners in accordance with known techniques. CEA is a tumour antigen and the specific binding members have proven ability to bind and target CEA both in vitro and in vivo.

32 Claims, 42 Drawing figures